Layer (type)	Output Shape	Param #				
input_1 (InputLayer)	(None, 1)	0	=======		====	
lambda_1 (Lambda)	(None, 512)	0				
dense_1 (Dense)	(None, 128)	65664				
dropout_1 (Dropout)	(None, 128)	0				
dense_2 (Dense)	(None, 1)	129		=======	====	
Total params: 65,793 Trainable params: 65,7						
Non-trainable params:						
Train on 120000 samp	les, validate on 20000	samples				
120000/120000 [===	========		===] - 214s 2ms/s	tep - loss: 0.3492	- acc: 0.8477 - val	_loss: 0.3218 - val_acc: 0.8594
Epoch 2/20			1 200c 2mc/c	ton local 0.2192	acc: 0.9614 val	_loss: 0.3091 - val_acc: 0.8658
Epoch 3/20] - 2095 21115/5	tep - 1055. 0.5165	- acc. 0.0014 - vai	_1055. 0.3091 - Val_acc. 0.6036
120000/120000 [===	========		===] - 215s 2ms/s	tep - loss: 0.3063	- acc: 0.8677 - val	_loss: 0.2976 - val_acc: 0.8735
Epoch 4/20 120000/120000 [===	========		===] - 212s 2ms/s	tep - loss: 0.2965	- acc: 0.8721 - val	_loss: 0.2927 - val_acc: 0.8754
Epoch 5/20 120000/120000 Γ===	==========	=======	===1 - 213s 2ms/s	tep - loss: 0.2901	- acc: 0.8770 - val	loss: 0.2988 - val acc: 0.8730
Epoch 6/20				•		
120000/120000 [=== Epoch 7/20	=========	=======	===] - 206s 2ms/s	tep - loss: 0.2830	- acc: 0.8803 - val	_loss: 0.2808 - val_acc: 0.8823
] - ETA:	3:07 - loss: 0.234	3 - acc: 0.9000C:\U	sers\shaggyday\A	AppData\Local\Prog	rams\Python\Python37\lib\site-
packages\keras\callba	cks.py:122: UserWarn	ing: Method on_b	atch_end() is slow o	compared to the b	patch update (0.140	0881). Check your callbacks.
•	=========	=======	===] - 212s 2ms/s	tep - loss: 0.2770	- acc: 0.8825 - val	_loss: 0.2734 - val_acc: 0.8856
•	========	=======	===] - 212s 2ms/s	tep - loss: 0.2710	- acc: 0.8859 - val	_loss: 0.2701 - val_acc: 0.8864
•	========		===] - 211s 2ms/s	tep - loss: 0.2655	- acc: 0.8888 - val	_loss: 0.2642 - val_acc: 0.8905
•	========		===] - 203s 2ms/s	tep - loss: 0.2595	- acc: 0.8918 - val	_loss: 0.2605 - val_acc: 0.8923
Epoch 11/20 50/120000 [] - ETA:	2:29 - loss: 0.214	6 - acc: 0.8800C:\U	sers\shaggyday\A	AppData\Local\Prog	grams\Python\Python37\lib\site-
packages\keras\callba % delta_t_median)	cks.py:122: UserWarn	ing: Method on_b	atch_end() is slow o	compared to the b	patch update (0.343	3933). Check your callbacks.
						grams\Python\Python37\lib\site- 1967). Check your callbacks.
% delta_t_median)	.,	_				
120000/120000 [=== Epoch 12/20	========	=======	===] - 211s 2ms/s	tep - loss: 0.2551	- acc: 0.8938 - val	_loss: 0.2609 - val_acc: 0.8911
120000/120000 [===	========		===] - 212s 2ms/s	tep - loss: 0.2483	- acc: 0.8965 - val	_loss: 0.2543 - val_acc: 0.8958
Epoch 13/20 120000/120000 Γ===	=========	=======	===1 - 211s 2ms/s	tep - loss: 0.2441	- acc: 0.8992 - val	_loss: 0.2493 - val_acc: 0.8979
Epoch 14/20			-	•		_
120000/120000 [=== Epoch 15/20	========	=======	===] - 212s 2ms/s	tep - loss: 0.2394	- acc: 0.9022 - val	_loss: 0.2444 - val_acc: 0.9009
120000/120000 [===			===] - 210s 2ms/s	tep - loss: 0.2346	- acc: 0.9036 - val	_loss: 0.2434 - val_acc: 0.9010
Epoch 16/20 120000/120000 [===	=========		===] - 211s 2ms/s	tep - loss: 0.2310	- acc: 0.9047 - val	_loss: 0.2355 - val_acc: 0.9048
Epoch 17/20 120000/120000 [===	=========	=======	===] - 211s 2ms/s	tep - loss: 0.2261	- acc: 0.9077 - val	_loss: 0.2339 - val_acc: 0.9059
Epoch 18/20				•		 _loss: 0.2353 - val_acc: 0.9051
Epoch 19/20				•		_
120000/120000 [=== Epoch 20/20	=========		===] - 211s 2ms/s	tep - Ioss: 0.2185	- acc: 0.9111 - val	_loss: 0.2326 - val_acc: 0.9042
120000/120000 [=== 60000/60000 [=====			-	tep - loss: 0.2141	- acc: 0.9131 - val	l_loss: 0.2237 - val_acc: 0.9114
,						

Test score: 0.2272356588681539 Test accuracy: 0.9108333333333334

